SONY

be like.no.other™

VAIO PROFESSIONAL

VGN-Z21VN/X

Supreme Performance on the Move

Ultra-portable laptop with powerful processor and embedded VAIO Everywair

VAIO Europe official website
http://www.vaio.eu/

VAIO Europe official website
http://www.vaiopro.eu/

TECHNICAL SPECIFICATIONS

Operating System

Operating System	Genuine Windows Vista® Business with Service Pack 1

Architecture

Platform	Intel® Centrino® 2 processor technology
Chipset	Mobile Intel® GM45 Express Chipset

CPU Section

Microprocessor Full Name	Intel® Core™2 Duo Processor P9500, Supports Enhanced Intel SpeedStep® Technology
Microprocessor Manufacturer	Intel®
Microprocessor Speed (GHz)	2.53
L2 Cache (KB)	6144 Advanced Smart Cache
Frontside Bus (MHz)	1066
Number of Cores	2

Memory

Memory Speed (MHz)	1066
Memory Type	DDR3 SDRAM (2x2048MB)
Max. Memory (MB)	4096
Max Memory Comment	In the case of 4GB, a portion of the system memory over 3GB might not be available to the operating system
Memory Size (MB)	4096

Drives

Hard Drive Capacity (GB)	320
Hard Drive Type	Serial ATA
Hard Drive Speed (rpm)	7200
Optical Drive Type	DVD+-RW/+-R DL/RAM
Optical Drive Fitting	Built-in

Drives Speed

Write	CD-R x24, CD-RW x16, DVD-R DL x4, DVD-R x8, DVD-RW x6, DVD+R DL x4, DVD+R x8, DVD+RW x8, DVD-RAM x5
Read	CD-ROM x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x8, DVD-R x8, DVD-RW x8, DVD+R DL x8, DVD+R x8, DVD+RW x8, DVD-RAM x5

Display

Display Type	X-black LCD with LED technology with enhanced durability
Diagonal Size (in)	13.1
Resolution Format	1600 x 900
Resolution Type	WXGA++ (1600x900)

Graphics

Graphic Card Full Name	NVIDIA® GeForce® 9300M GS
Producer	NVIDIA®
Graphics Memory	Total available graphics memory of Approx. 1500MB* with dedicated GDDR3 Video Memory of 256MB
Comments	* Total Available Graphics Memory refers to the Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size

Interfaces

4 Pin i.LINK™ (IEEE1394), 400 Mbps	1
Docking Station Interface	1
DC in	1
Memory Stick™ Slot	1
Memory Stick™ Slot Type	Memory Stick™ Std / Duo, Memory Stick™ PRO Std / Duo, high speed data transfer
SD Card Slot	1
Microphone Jack	1
RJ-11 Direct Port (Modem)	1
RJ-45 Direct Port (Network)	1
USB Speed	High/Full/Low
USB Port (quantity)	2
USB Version	2.0
USB Connector Type	A
VGA Connector for Monitor	1
TV out	1
TV out type	HDMI (speed mode)
Audio out	1
Audio out Type(s)	Stereo Headphones/Speakers Jack
Express Card Slot	1
Express Card Slot Type	34mm

Connectivity

Built-in WWAN	Wireless WAN 7.2Mbps (HSDPA, UMTS, EDGE, GPRS)
Built-in Modem	V.92/V.90
Integrated Wireless LAN	YES
Wireless LAN Max. Date Rate (Mbps)	300
Wireless LAN Range (m)	max. 100
Wireless LAN Type	802.11a/b/g/Draft n
Integrated Bluetooth (Version)	2.1 + EDR
Bluetooth Range (m)	10
Ethernet network	10BASE-T/100BASE-TX/1000BASE-T

Multimedia

Intel® High Definition Audio Compatible	YES
3D Surround	YES
Built-in Stereo Speakers	YES
Windows® Sound System Compatible	YES

Built-in Camera

Built-in 'Motion Eye' Digital Camera	YES
Frames per Second	15
Image Sensor (Mega Pixels)	0.3
Motion Picture Function	YES
Motion Pictures max. Resolution (pixels)	640x480 (VGA)

Keyboard Section

Touch Pad	1

Features

Special Buttons	Power button, Wireless switch, Short-cut Keys (S1,S2), Hybrid Graphics switch
Auto Resolution	Plug and Display
Security Platform	Infineon Trusted Platform Module (TPM)
Security Features	TCG Ver.1.2 compliant Trusted Platform Module (TPM), Finger Print Recognition
HDD Shock Protection	G-Sensor HDD Shock Protection
Built-in Microphone	YES
Kensigton Lock	YES

Software

Audio	Windows Media Player 11
Video & TV	WinDVD 8.0 for VAIO
Photo	Google Picasa
CD-DVD Burning	Easy Media Creator 10
Office Application	Adobe® Reader® 8.1, Adobe Standard 8, Microsoft® Office Ready 2007 (60 days Try & Buy)
Security & Other	McAfee® Internet Security Suite (with 60 days free virus updates), VAIO Recovery Utility - HDD recovery (hidden partition), Protector Suite QL 5

Supplied Accessories

AC Adaptor	YES
Battery	YES
Power Cord	YES

Dimensions

Depth Main Unit (mm)	210
Height Main Unit (min - max in mm)	24.5 - 33.0
Width Main Unit (mm)	314
Weight with Supplied Battery and Supplied Drive (kg)	1.499

Battery

Battery Type	Lithium-Ion battery (VGP-BPS12)
Battery Life - Graphics mode (min)	210
Battery Life - Stamina mode (min)	330
Battery Charging Time (min)	225
Battery Life Disclaimer	Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007

Guarantee

Months 12

OPTIONAL ACCESSORIES

VGP-EMB03

VAIO Backpack

VGP-BPL12

Z series Extended Battery Pack

VGP-PRZ1

Z Series Docking Station

©2008 Sony Terms and Conditions